OIPE JC10 JAN 26 2004 PATENT & TRADEMARK OFFICE

PATENT Case No. T1584

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Ian Churcher et al.

Serial No. 10/679,557

Filed: October 6, 2003

For: CYCLOHEXYL SULPHONE DERIVATIVES AS GAMMA-SECRETASE INHIBITORS

Art Unit: To Be Assigned

Examiner: To Be Assigned

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

Sir:

1. In compliance with 37 C.F.R. 1.97, submitted on the attached form herewith is a list of patents, publications or other information which are requested to be made of record in this application. This Information Disclosure Statement is not an admission that any patent, publication or other information referred to herein is "prior art" for this invention. In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b).

2. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

3. Applicants respectfully request that the Examiner initial the attached form after reviewing the pertinence of each reference.

4. Pursuant to the waiver by the Office of the requirement under 37 CFR 1.98 (a)(2)(i) dated July 11, 2003, if the filing date of this application is after June 30, 2003, copies of each cited U.S. patent and each U.S. patent application publication are not enclosed herewith.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date appearing below.

MERCK & CO., INC.

By _____ Date Jan. 23, 2004

PATENT Case No. T1584

INFORMATION DISCLOSURE STATEMENT

5. Pursuant to 37 C.F.R. 1.98(d), copies of references listed on the attached form that were submitted to or cited by the Office in a related application upon which the instant application relies for an earlier filing date under 35 U.S.C. 120 are not enclosed. Related application(s) in which references were submitted to or cited by the Office are as follows:

RELATED APPLICATION		
U. S. SERIAL NUMBER	**FILING DATE**	**MERCK CASE**

If this is inconvenient, additional copies will be submitted upon request.

6. In accordance with 37 C.F.R. 1.97, (check one)

☐ the attached information is filed within three months of the filing date of the captioned case.

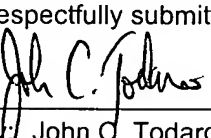
☑ the attached information is filed more than three months after the filing date but prior to the mailing of a first Office Action on the merits.

☐ the attached information is being filed more than three months after the filing date and after the mailing of a first Office Action on the merits, but before the mailing date of a Final Action or Notice of Allowance. The enclosed authorization is therefore given to charge Deposit Account No. 13-2755 for the fee required under 37 C.F.R. 1.17(p).

☐ the undersigned certifies that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

☐ the undersigned certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated under 37 C.F.R. 1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,



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Date: January 23, 2004

Approved for use through 7/31/2006. OMB 0651-0031
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

IPEC10 JAN 26 2004 PATENT & TRADEMARK OFFICE

Sheet 1 of 2

COMPLETE IF KNOWN	
Application Number	10/679,557
Filing Date	October 6, 2003
First Named Inventor	Ian Churcher, et al
Group Art Unit	
Examiner Name	
Attorney Docket Number	T1584

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		US 2,802,013		R.M. Dodson	08/06/1957
		US 2,812,330		R.M. Dodson	11/05/1957

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Office	Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		✓	EP 0,863,134		Merck Frosst Canada	09/09/1998
		✓	WO 00/50391		Merck & Co., Inc.	08/31/2000
		✓	WO 03/059335		Bayer Aktiengesellschaft	07/24/2003
		✓	WO 03/055850		Dauchi Pharmaceutical Co., Ltd.	07/10/2003

Examiner Signature		Date Considered	

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

COMPLETE IF KNOWN	
Application Number	10/679,557
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Attorney Docket Number	T1584

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
	V	L. Capuano, et al., "Cyclische S-Oxide", CHEMISCHE BERICHTE, Vol. 112, pages 1012-1022 (1979)
	V	J.M. Decesare, et al.:, "Gamma- and Beta-epoxy sulfones. Formation of different ring-sized products upon reaction with CH3MgI or LiN[CH(CH_3)$_2$]$_2$", CANADIAN JOURNAL OF CHEMISTRY., Vol. 59, pages 1415-1424 (1981)
	V	O. Eisleb, "Neue Synthesen mittels Natriumamids", BERICHTE DER DEUTSCHEN CHEMISCHEN GESELLSCHAFT, Vol. 74, pages 1433-1450 (1978)
	V	J. Golinski, et al., "Reactions of Organic Anions; XVIV. Catalytic Two-Phase Alkylation of Benzyl Sulfones and Sulfonamides", SYNTHESIS, No. 6, pages 461-463 (1979)
	V	P. Kisanga, et al., "Development, Synthetic Scope, and Mechanistic Studies of the Palladium-Catalyzed Cycloisomerization of Functionalized 1,6-Dienes in the Presence of Silane", JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, Vol. 122, No. 41, pages 10017-10026 (2000)
	V	C. Koradin, et al., "Cesium Catalyzed Addition of Nitriles to Alkynes", SYNLETT, No. 10, pages 1452-1454 (2000)
	V	T. Oyuyama, et al., "Flash Photolytic Generation of a Dithio Carbocation from 1,3-Dithiolance Derivatives and Its Reaction with Nucleophiles", BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN, Vol. 64, No. 9, pages 2751-2756 (1991)
	V	M. Makosza, et al., "Ambiphilic Reactivity of 2,4-Dinitrobenzyl *p*-Tolyl Sulfone Carbanion", POLISH JOURNAL OF CHEMISTRY, Vol. 72, pages 1198-1201 (1998)
	V	R. K. Norris, et al., "The Stereochemistry of the $S_{RN}1$ Reaction In Some Cyclohexane Derivatives", TETRAHEDRON, Vol. 38, No. 8, pages 1051-1057 (1982)

Examiner Signature		Date Considered	

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